

WHAT IS CLAIMED IS:

1. A broadcast program recording and playing apparatus comprising:

program management means for managing a database that stores program information for broadcast programs;

transmission means for transmitting the program information stored in the database to an electronic apparatus using wireless communication; and

control means for controlling, under the control of said electronic apparatus, an apparatus having functions of recording and playing broadcast programs.

2. A broadcast program recording and playing apparatus according to Claim 1, wherein said electronic apparatus comprises a portable terminal.

3. A broadcast program recording and playing apparatus according to Claim 2, wherein said portable terminal comprises a private apparatus.

4. A broadcast program recording and playing apparatus according to Claim 1, wherein the apparatus having functions of recording and playing broadcast programs comprises an audio apparatus or a video apparatus.

5. A broadcast program recording and playing apparatus according to Claim 1, wherein the wireless communication is based on a spread spectrum communication system.

6. A broadcast program recording and playing apparatus according to Claim 1, wherein the wireless communication with said electronic apparatus is switched between communication using a public circuit and short-distance wireless communication.

7. A broadcast program recording and playing apparatus according to Claim 6, wherein the short-distance wireless communication is based on the Bluetooth system.

8. A broadcast program recording and playing apparatus according to Claim 6, wherein the short-distance wireless communication is based on an infrared data communication system.

9. A portable terminal for recording and playing broadcast programs, comprising:

transmission means for transmitting program information stored in a database that stores the program information for broadcast programs to an electronic apparatus using wireless

communication;

display means for displaying the program information obtained using said transmission means; and

command transmission means for transmitting a command that controls an apparatus having functions of recording and playing broadcast programs to a server that controls recording and playing performed by the apparatus.

10. A portable terminal for recording and playing broadcast programs according to Claim 9, wherein said electronic apparatus comprises said portable terminal itself.

11. A portable terminal for recording and playing broadcast programs according to Claim 10, wherein said portable terminal comprises a private apparatus.

12. A portable terminal for recording and playing broadcast programs according to Claim 9, wherein the apparatus having functions of recording and playing broadcast programs comprises an audio apparatus or a video apparatus.

13. A portable terminal for recording and playing broadcast programs according to Claim 9, wherein the wireless communication is based on a spread spectrum

communication system.

14. A portable terminal for recording and playing broadcast programs according to Claim 9, wherein the wireless communication with said electronic apparatus is switched between communication using a public circuit and short-distance wireless communication.

15. A portable terminal for recording and playing broadcast programs according to Claim 14, wherein the short-distance wireless communication is based on the Bluetooth system.

16. A portable terminal for recording and playing broadcast programs according to Claim 14, wherein the short-distance wireless communication is based on an infrared data communication system.